

**ABSTRACT**

5 A method is described for making a composite, such as a piezoelectric  
composite, having a predetermined volume ratio. Initially, a pair of base slabs  
are diced to form slot having uniform pitch spacing such that a material  
portion of one diced base slab may be received within the slots of another  
diced base slab. The diced base slabs are interdigitated and joined to form a  
first piezoelectric composite that can subsequently be diced to form slots  
having a uniform pitch spacing that are spaced from the first slots. Two diced  
10 first piezoelectric composites are interdigitated and joined to form a second  
piezoelectric composite of reduced volume ratio and finer pitch.

195363\_11